WHAT IS CLAIMED IS:

1. A saw blade, comprising:

an unset tooth:

an left set tooth; and

a right set tooth,

wherein the left set tooth and the right set tooth are set to a right-and-left direction;

wherein when a thickness of a body section of the saw blade is D and a set width is T, a relationship that $T = D + 2\alpha$ is established; and

wherein a relationship between the thickness D of the body section and the coefficient α is established in a manner such that

when $0.85 \leqq D \leqq 0.95$, $0.15 \leqq \alpha \leqq 0.35$ is established;

when $0.96 < D \leqq 1.2$, $0.2 \leqq \alpha \leqq 0.4$ is established;

when $1.2 < D \leqq 1.5$, $0.25 \leqq \alpha \leqq 0.43$ is established;

when $1.5 < D \leqq 1.7$, $0.3 \leqq \alpha \leqq 0.5$ is established; and

when $1.7 < D$, $0.35 \leqq \alpha \leqq 0.6$ is established.

2. A saw blade according to Claim 1, wherein a small-diameter curl forming section for small curling chips generated at the time of cutting a workpiece is provided at a tip portion of saw teeth.

3. A saw blade according to Claim 2, wherein the small-diameter curl forming section has a plane rake face, which extends by a predetermined length from the point of the saw tooth to a direction of a gullet bottom section of the saw blade, and an arc-like curved face which is continuous to the rake face; and

in the case where a vertical line is drawn from a cross position between the curved face and a gullet forming curved face forming the gullet section towards a direction of the cutting by means of the saw teeth, when a dimension from the vertical line to the point of the saw tooth is A and when a

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radius of the arc-like curved face is R, a relationship that R/2 $<$ A $\leqq$ 2R is established.

4. A saw blade according to Claim 3, wherein
pitches of the saw teeth are unequal with each other.

5. A saw blade, comprising:
an unset tooth:
an left set tooth; and
a right set tooth,
wherein the left set tooth and the right set tooth are set to a right-and-left direction;
wherein a small-diameter curl forming section for small curing chips generated at the time of cutting a workpiece is provided at a tip portion of saw teeth;
wherein pitches of the saw teeth are unequal with each other;
wherein the small-diameter curl forming section has a plane rake face, which extends by a predetermined length B from the point of the saw tooth to a direction of a gullet bottom section of the saw blade, and an arc-like curved face having a radius R which is continuous to the rake face; and
wherein in the case where a vertical line is drawn from a cross position between the curved face and a gullet forming curved face forming the gullet section towards a direction of the cutting by means of the saw teeth, when a dimension from the vertical line to the point of the saw tooth is A, when B $\leqq$ 2 mm and when 0.5 mm $\leqq$ R $\leqq$ 3 mm, a relationship that A $\leqq$ R/2 is established.